

Tom Darby

1822 Hanford Road
Rosedale, MD 21237

tdarby@gmail.com
443.690.5282

Work Experience

IT Specialist: Johns Hopkins Center for Talented Youth

Baltimore, MD March 2003 – Present

- Primary duties include maintaining and developing Intranet/Extranet applications; designing, optimizing and maintaining databases; data mining and reporting
- Work both as part of team and independently with minimal supervision, guidance
- Maintain, expand, and provide individual and group training for multiple projects and applications across all departments; mentor student workers
- Identify current and future application needs, design specifications, implement new applications and improve existing systems

Independent Game Developer, Magic Chopstick Games

<http://www.magicchopstick.com/> November 2001 – Present

- Sole proprietor, designer, artist, composer, developer, tester and marketer
- Design and create high-performance, robust, scalable, fault-tolerant, stable computer games for distribution to general public
- Recent released title, *Jardinains 2!*, is available for Windows, OS X, and Linux
- Original title, *Jardinains!*, has been downloaded over 1.5 million times since release and is one of Download.com's most popular and top-rated arcade games
- Ranked by Cnet.com as a "Top 50 Must-Have Download"

Programmer: Greenberg Quinlan Rosner Research

Washington, DC May 2002 – December 2002

- Primary duties included designing and coding political surveys, identifying and cleaning corrupted data, preparing and generating cross-tab analysis tables for analysts
- Polls were extremely time-sensitive; projects measured in days, and would often be working on 4-5 projects at any given time
- Data returning from third-party survey houses would generally contain transcription or alignment errors; was necessary to identify and correct all errors, as slight inaccuracies in data files could cause wild shifts in analysis

Senior Developer/Consultant: Control Data Systems/Syntegra/Syntegra France

Minneapolis, MN and Paris, France July 1998 – August 2001

- Primary duties included design and development of client websites, database design and implementation, technical consultant for client visits and meetings, development team leadership, and foreign liaison
- As team leader and foreign liaison, formed key link between development teams, management and client representatives; effectively communicated needs between technical and managerial audiences

Core Competencies

Key Development Languages/Tools (8+ years experience)

MS SQL, ColdFusion, HTML, JavaScript, CSS, Photoshop

Additional Development Languages/Tools (3+ years experience)

ASP, PHP, MySQL, PostgreSQL, Oracle, Flash, Media 100, BlitzMax, Audacity

Operating Systems (4+ years experience)

Windows 2k/XP, OS X, UNIX/UNIX-like (*BSD, Linux)

Key Technical Expertise (8+ years experience)

Web application design and development, game design, systems integration, data mining and parsing, performance optimization, application design, UI design, technical documentation for technical and non-technical audiences, application security, testing, debugging

Key Business Expertise (6+ years experience)

Development team leadership, communicating with business and technical audiences, overseas experience, mentoring, training, presenting, client relations

Education, Certifications, and Volunteer Work

Carleton College

Northfield, MN 1994 – 1998

- B.A. Computer Science with concentration in Media Studies
- Comprehensive Exercise: Research and 1 hour presentation with defense entitled *Data Compression Algorithms*
- Major Research Project: *The Morris Internet Worm*, a historical account and technical analysis of the world's first major computer worm
- Coursework included: Data Structures, Programming Languages, Computer Networking, Theory of Computation, Object-Oriented Design, Digital Electronics, Calculus II and III, Linear Algebra, Video Editing, History of Film

Director of Special Projects (IT): Foundation for International Medical Relief of Children

Feb. 2006 – Present

- Develop FIMRC website, design and implement site enhancements
- Currently developing online directed-donation system

ColdFusion Certified Developer

2000: Allaire Certified ColdFusion 5 Developer

Microsoft Certified Professional

1998: Implementing a Database Design on Microsoft SQL Server 6.5

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